



OD Dual Band Series



Universal Wall Mount 4" Standoff



Wall Mount Bracket



Jumper Cables



Surge Arrestors

## Omni-directional Dualband Cellular 824-1990 MHz

- Patented Design
- 4 dBi gain for 850/925 MHz Bands, 5 dBi for 1.8/1.9 GHz bands
- Rugged field proven outdoor design
- Mounting kit includes all hardware needed for pole mount (up to 2 1/2" diameter pipe )

These new models in our OD Series line are optimized for GSM/CDMA networks, and provide dual band operation. With Omni coverage, these antennas provide an excellent option for building out portions of the networks, or for use as access/client nodes for Cellular data and telemetry.

These antenna are colinear arrays with elements stacked vertically. Our proven phasing techniques cancel out-of-phase current distribution. The result is improved system performance and high efficiency of transmitted power. This design maintains an omni pattern in the horizontal plane. The entire series of OD antennas require no ground plane for full performance.

The antennas are provided with offset bracket and the U Bolts for pole mounting. The U Bolts can accommodate up to a 2 1/2" outside diameter pole (63 mm). As an option, a variety of other mount brackets are available

These antennas are durable and rugged. They can withstand the harsh environments of snow, wind, rain and ice.

### Model Numbers

Model	Freq. (MHz)
OD-850/1900-BLK	824-894 MHz 1850-1990 MHz
OD-925/1800-BLK	870-960 MHz 1710-1880 MHz

Color options available for above models  
WHT-White or BLK-Black

### Options

Options	Model
10 ft LMR-400 N Male-N Plug (Male)	CA120/400-XX
10 ft LMR-400, N Male-SMA (Male)	CA120/400-XC
20 ft LMR-400 N Male-N Plug (Male)	CA240/400-XX
20 ft LMR-400 N Male-SMA (Male)	CA240/400-XC
Wall Mount Bracket, Right Angle	OD-WMK
Wall Bracket, 4" Stand off	ACC-102643
Surge Arrestor, N Jack Female-Female	ACC-TW-LP-005N

Note: Some accessories may only be available from the US office, please consult your sales representative.

### Specifications

#### Frequency & Gain:

824 - 960 MHz	4 dBi
1710 - 1990 MHz	5 dBi

**VSWR:** 2:1 over band

**Nominal Impedance:** 50 ohms

**Max. Power (continuous):** 25 watts

#### Vertical Beamwidth (-3dB point):

850/900 MHz bands	35 degrees
1800/1900 MHz Bands	22 degrees

**Wind Loading (flat plate equiv.):** 30 sq. inches (196 sq.cm)

**Rated Wind Velocity:** 125+ mph (200+ kph)

**Operating Temp:** -40° to +85° C

**Lightning Protection:** External suggested

**Antenna Diameter:** 1" (25 mm) main mast

**Antenna Termination:** N Jack (Female) connector

**Length/Weight:** 29.5 inches (61 cm)  
2.5 lbs (1.13 kg)

**Mounting Kit:** Mast mount kit included

**Mast Dimensions:** Fits mast up to 2 1/2" OD (63 mm outside diameter)

**Material:** Fiberglass radome with aluminum body

**Options:** Wall Mount Brackets, Surge Arrestors and jumper cables available

**Shock and Vibration:** EN 300 019-2-4, IEC 60068

**Water Ingress:** IPx5